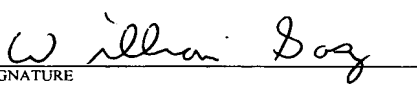


FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV. 1094) TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 0248/7014 09/744658 U.S. APPLICATION NO. (If known, use 37 CFR 1.53)
INTERNATIONAL APPLICATION NO. PCT/US99/18315	INTERNATIONAL FILING DATE 13 August 1999 (13.08.99)	PRIORITY DATE CLAIMED 21 August 1998 (21.08.98)
TITLE OF INVENTION REGULATION OF SUBSTRATE ACTIVITY		
APPLICANT(S) FOR DO/EO/US WALLNER, Barbara		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This express request to begin national procedures (35 U.S.C. 371(f) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)) with verification of translation. 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)). <ol style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> Oath and declarations for the inventor(s) (35 U.S.C. 371(C)(4)). 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(C)(5)). 		
Items 11. To 16. Below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with references. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input type="checkbox"/> A substitute specification (submitted as a first Preliminary Amendment). 15. <input type="checkbox"/> A change of power of attorney and/or address letter. 16. <input checked="" type="checkbox"/> Other items or information: Copy of PCT Published Application (page 1) Copy of International Preliminary Examination Report 		
Express Mail Label No. EL681814980US Mailed January 26 2001		

U.S. APPLICATION NO. 09/74465 INTERNATIONAL APPLICATION PCT/US99/18315		ATTORNEY'S DOCKET NUMBER 10248/7014																										
17. <input checked="" type="checkbox"/> The following fees submitted:		CALCULATIONS <small>PTO USE ONLY</small>																										
BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO \$860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)).. \$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO..... \$1000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$100.00																												
ENTER APPROPRIATE BASIC FEE AMOUNT =				\$860.00																								
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 X 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> <th style="width:20%;"></th> </tr> <tr> <td>Total Claims</td> <td>21-20 =</td> <td>1</td> <td>X \$18.00</td> <td>\$18.00</td> </tr> <tr> <td>Independent Claims</td> <td>2- 3 =</td> <td>0</td> <td>X \$80.00</td> <td>\$</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+\$270.00</td> <td>\$</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$878.00</td> </tr> </table>				CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total Claims	21-20 =	1	X \$18.00	\$18.00	Independent Claims	2- 3 =	0	X \$80.00	\$	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$270.00	\$	TOTAL OF ABOVE CALCULATIONS =				\$878.00
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Total Claims	21-20 =	1	X \$18.00	\$18.00																								
Independent Claims	2- 3 =	0	X \$80.00	\$																								
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TOTAL OF ABOVE CALCULATIONS =				\$878.00																								
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).		\$																										
SUBTOTAL =		\$																										
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$																										
TOTAL NATIONAL FEE =		\$																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate coversheet (37 CFR 3.28, 3.31). \$40.00 per property +		\$																										
TOTAL FEES ENCLOSED =		\$878.00																										
		Amount to be: refunded \$																										
		charged \$																										
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>878.00</u> to cover the above fees is enclosed.																												
b. <input type="checkbox"/> Please charge by Deposit Account No. <u>23/2825</u> In the amount of \$ <u> </u> To cover the above fees. A duplicate copy of this sheet is enclosed.																												
c. <input checked="" type="checkbox"/> The commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.																												
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.																												
SEND ALL CORRESPONDENCE TO: William G. Gosz WOLF, GREENFIELD & SACKS, P.C. 600 Atlantic Avenue Boston, Massachusetts 02210		<div style="text-align: center;">  SIGNATURE </div> <div style="text-align: center; margin-top: 20px;"> <u>William G. Gosz</u> NAME </div> <div style="text-align: center; margin-top: 20px;"> <u>27,787</u> REGISTRATION NO. </div>																										